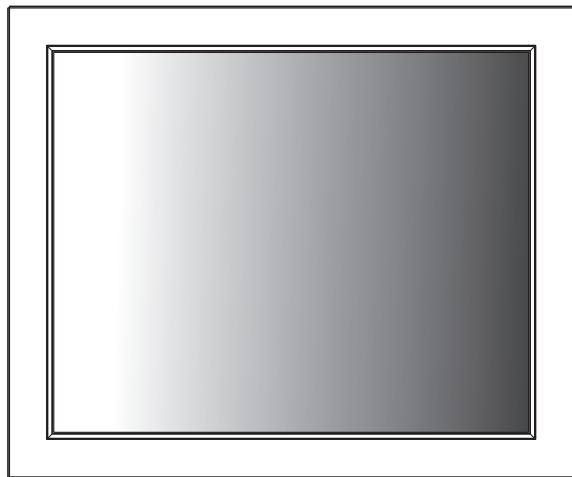


USER MANUAL

VERSION 1.0 December 2013

TEOSTOUCH 1X54E / 1X54IR



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Safety

IMPORTANT SAFETY INSTRUCTIONS

1. To disconnect the machine from the electrical power supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.
2. Read these instructions carefully. Save these instructions for future reference.
3. Follow all warnings and instructions marked on the product.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.



This device complies with the requirements of the EEC directive 2004/108/EC with regard to “Electromagnetic compatibility” and 2006/95/EC “Low Voltage Directive”.



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION ON LITHIUM BATTERIES

There is a danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer’s instructions.



Battery Caution

Risk of explosion if battery is replaced by an incorrectly type. Dispose of used battery according to the local disposal instructions.



Safety Caution

Note: To comply with IEC60950-1 Clause 2.5 (limited power sources, L.P.S) related legislation, peripherals shall be 4.7.3.2 “Materials for fire enclosure” compliant.

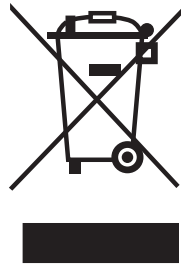
4.7.3.2 Materials for fire enclosures

For MOVABLE EQUIPMENT having a total mass not exceeding 18kg, the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of V-1 CLASS MATERIAL or shall pass the test of Clause A.2.

For MOVABLE EQUIPMENT having a total mass exceeding 18kg and for all STATIONARY EQUIPMENT, the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of 5VB CLASS MATERIAL or shall pass the test of Clause A.1

LEGISLATION AND WEEE SYMBOL

2012/19/EU Waste Electrical and Electronic Equipment Directive on the treatment, collection, recycling and disposal of electric and electronic devices and their components.



The crossed dust bin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Revision History

Changes to the original user manual are listed below:

Revision	Description	Date
1.0	• Initial release	December 2013


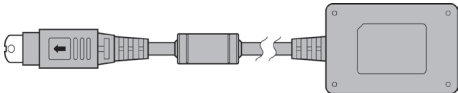
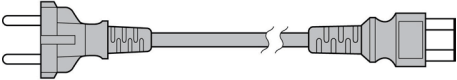


Table of Contents

1. Packing List	1
1-1. Standard Accessories	1
1-2. Optional Accessories.....	1
 2. System View.....	 2
2-1. Front View	2
2-2. Rear View	2
2-3. I/O Ports View	3
2-4. Dimensions.....	4
 3. System Assembly	 5
3-1. HDD Replacement	5
3-2. RAM Replacement	6
 4. Peripheral Installation	 7
4-1. Wireless LAN Installation.....	7
 5. Specification.....	 8
 6. Configuration	 10
6-1. C54 Motherboard Layout.....	10
6-2. Connectors & Functions	11
6-3. Jumper Setting	12
 Appendix: Drivers Installation.....	 13


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1. Packing List

1-1. Standard Accessories

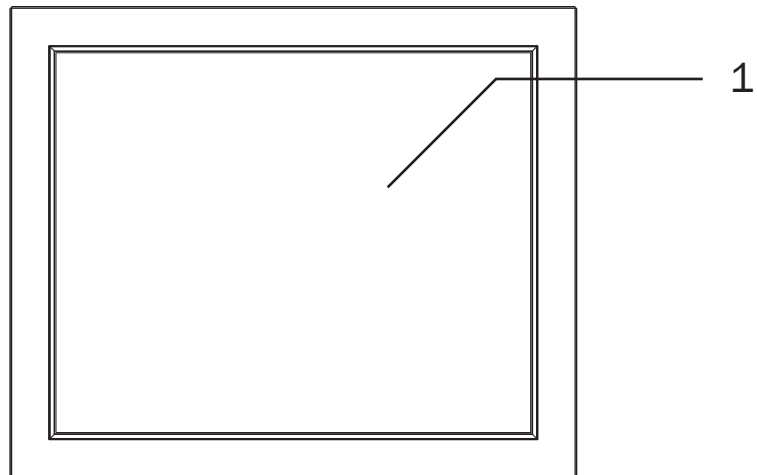
	
a. System	b. Power adapter (90W or 65W)
	
c. Power Cord	d. RJ45-DB9 cable (x4)
	
e. Manual CD	

1-2. Optional Accessories

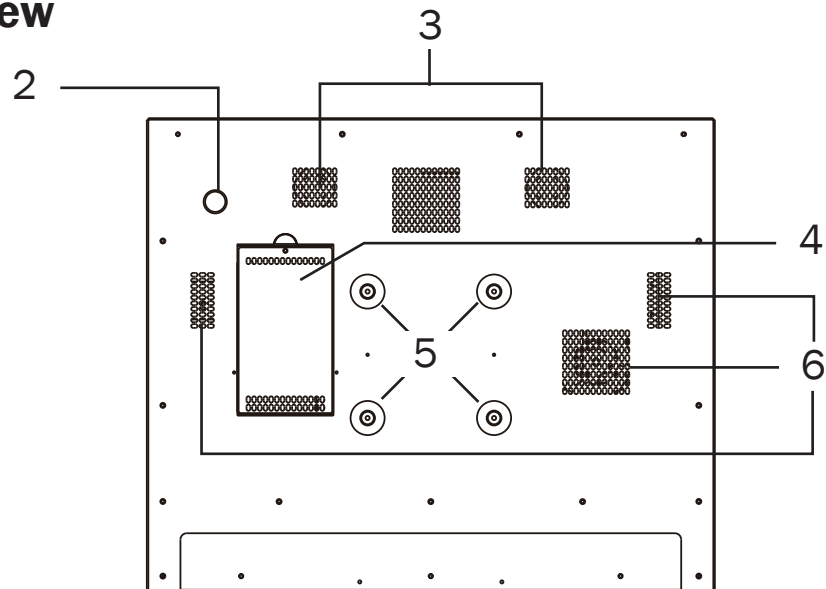

a. Wireless LAN Card + External Antenna

2. System View

2-1. Front View

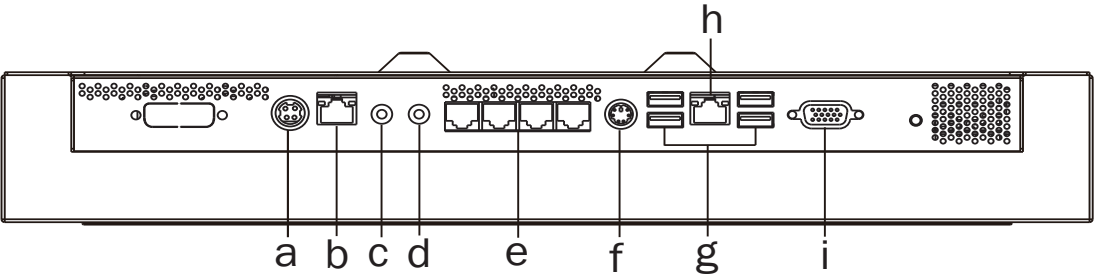


2-2. Rear View



Item No.	Description
1	Touch screen
2	External antenna installation hole (Optional)
3	Speaker holes
4	Hard drive disk door
5	VESA mounting screw holes
6	Ventilation holes

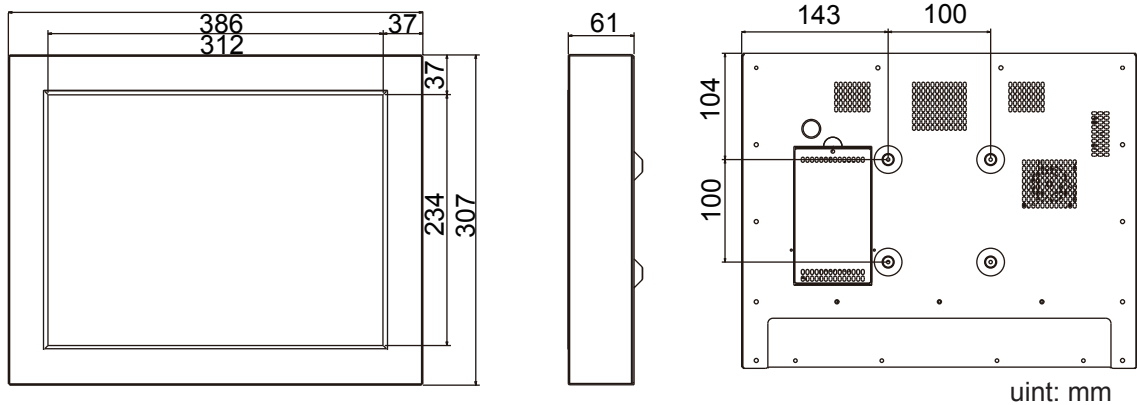
2-3. I/O Ports View



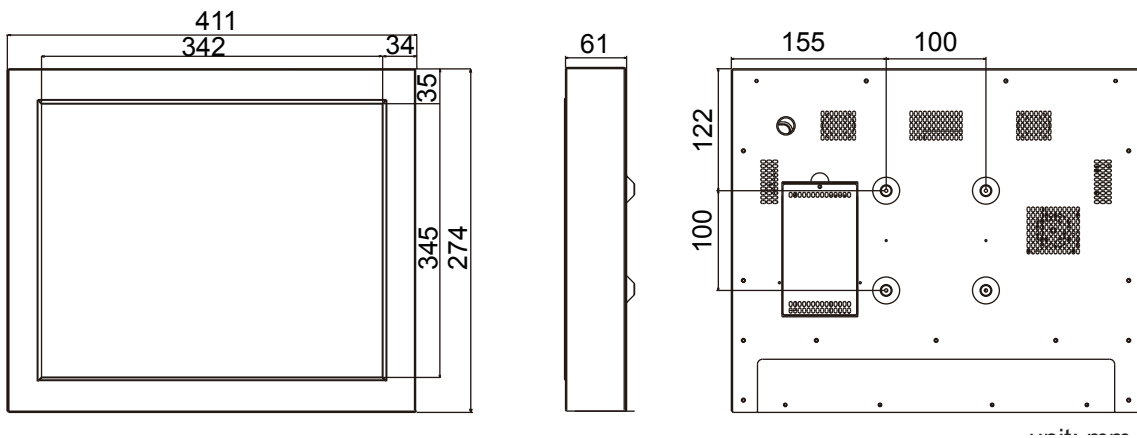
Item No.	Description
a	DC Jack
b	LAN
c	MIC-IN
d	Line-Out
e	COM 1, 2, 3, 4 (from right to left)
f	PS/2
g	USB x 4
h	LAN
i	VGA

2-4. Dimensions

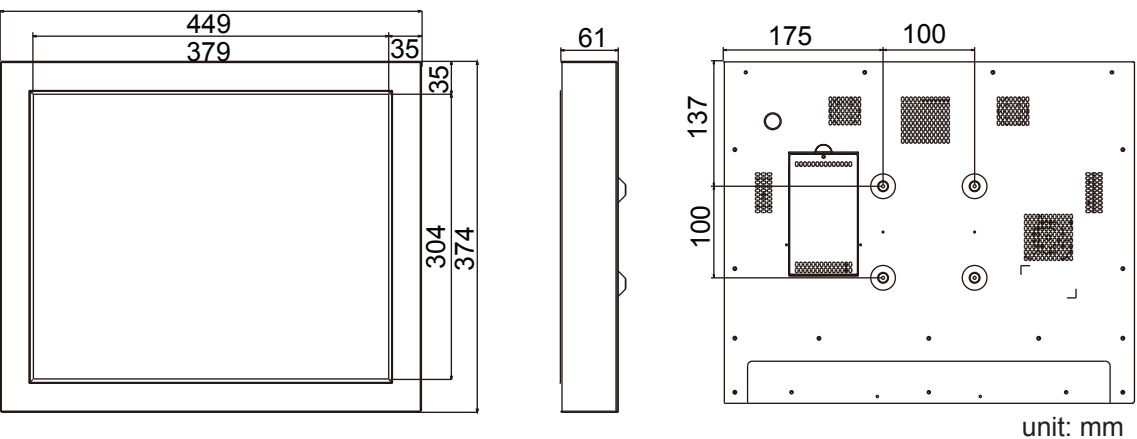
15" System



17" System



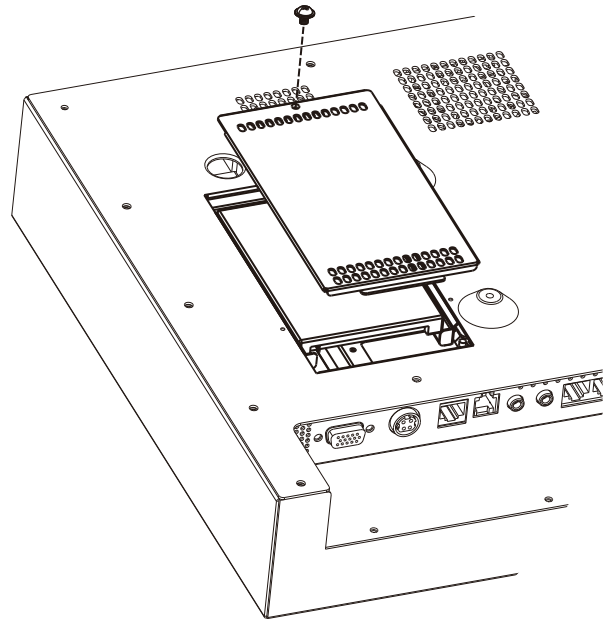
19" System



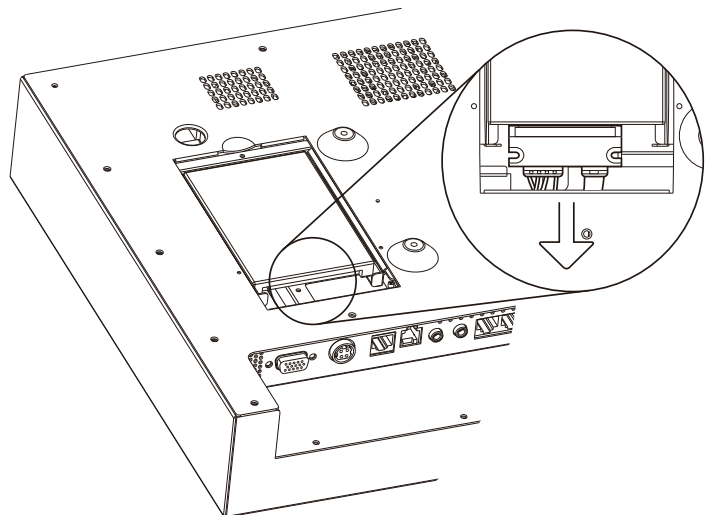
3. System Assembly

3-1. HDD Replacement

1. Turn to the rear side of the system.
2. Unscrew the screw (x1) securing the HDD door and the rear cover of the system.



3. Disconnect the SATA cable from the drive.

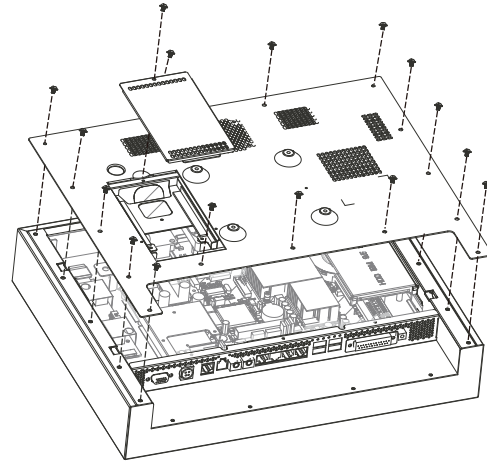


3-2. RAM Replacement

Please open the rear cover first then remove and replace the RAM module. You can refer to the motherboard layout to find the memory compartment. (See Chapter 6-1, Chapter 6-2 or Chapter 6-3 for different motherboard)

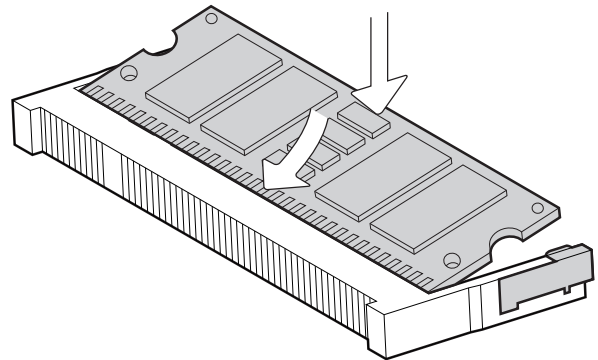
Opening the Rear Cover

1. Remove the HDD (see Chapter 3-1) and unscrew the screws (x15) on the rear cover to access the motherboard.



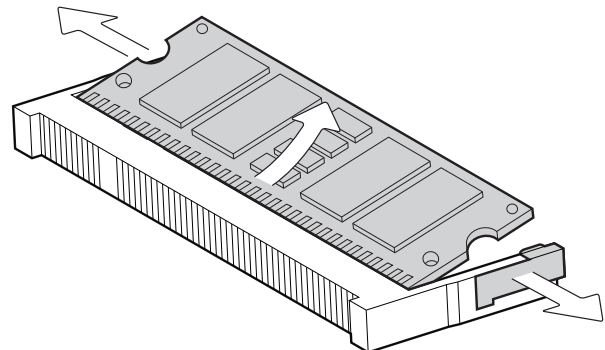
Removing a RAM Module

2. Use both fingers to pull the ejector clips out of the sides of the module.
3. Slide the memory module out of the memory slot.



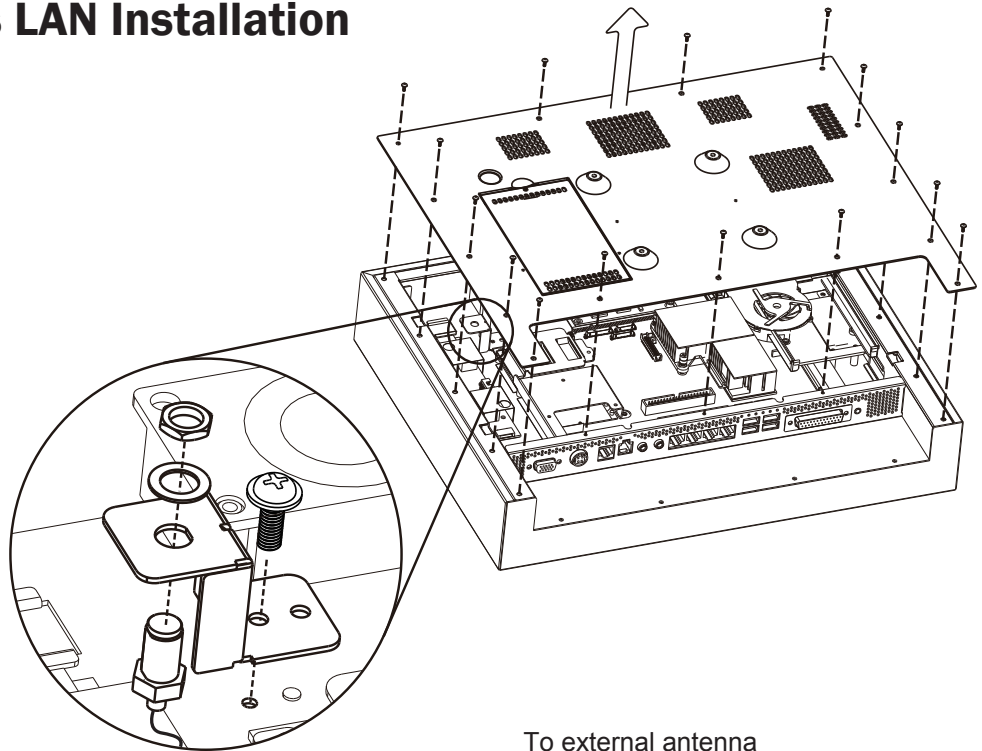
Installing a RAM Module

4. Slide the memory module into the memory slot and press down until the ejector clips click in place.

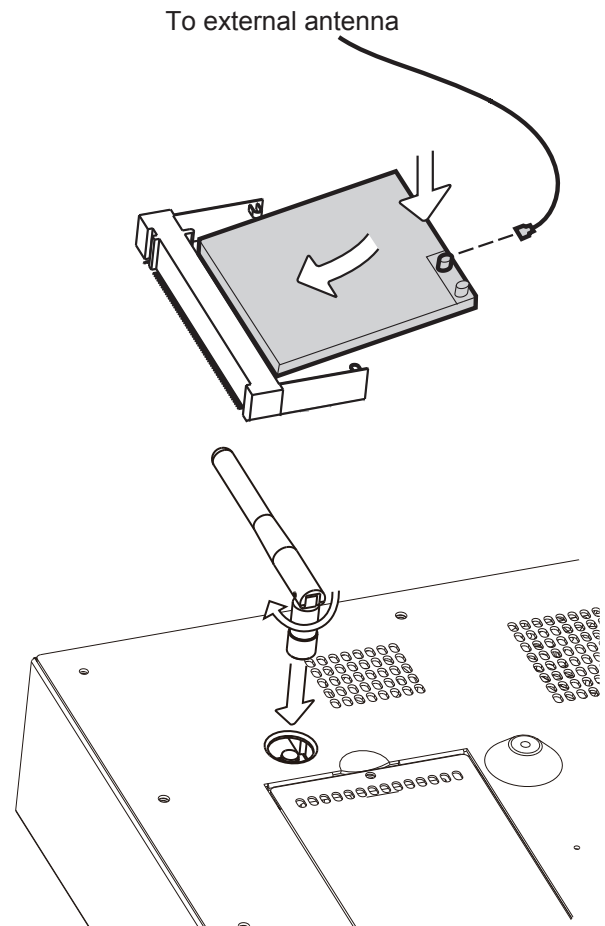


4. Peripheral Installation

4-1. Wireless LAN Installation



1. Disconnect the HDD cable from the system first (see Chapter 3-1).
2. Unscrew the screws (x15) to remove the rear cover.
3. Assemble the antenna cable and bracket by fasten the nut, washer and the coaxial cable as picture instructs.
4. Insert the WLAN card to the WLAN socket on the motherboard and press it downward until the ejector clips lock it in place.
5. Connect the antenna cable to the “main connector” on the WLAN card.
6. Cover the rear cover by reversing the step 2.
7. The pre-drilled hole for the external antenna installation is on the rear cover of the system. Rotate the external antenna clockwise to fix it to the connector of the internal antenna cable.



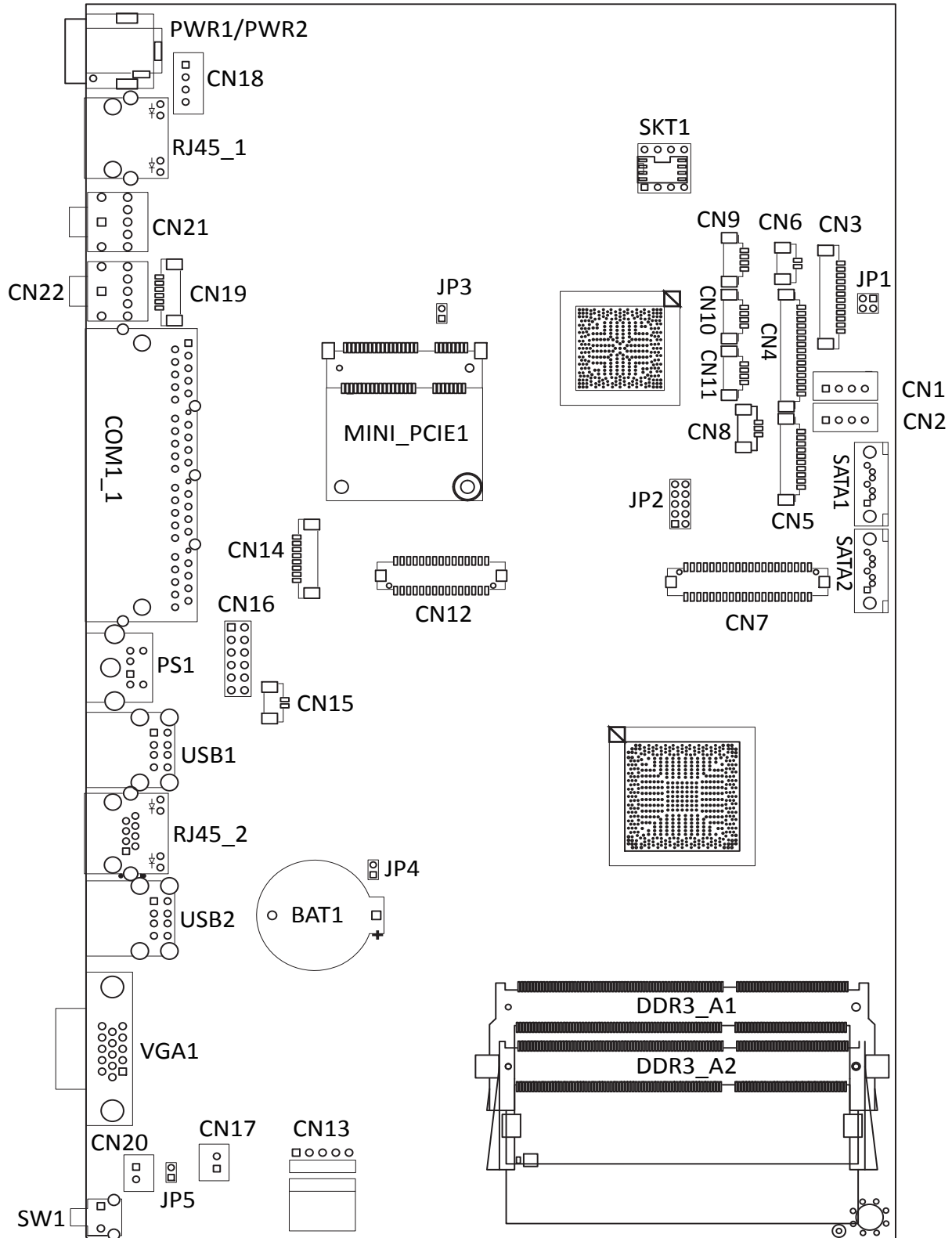
5. Specification

Model Name	TEOSTOUCH 1X54E / 1X54IR		
Motherboard	C54		
CPU Supports	Intel CedarView D2550 processor 1.86GHz, L2 1MB , 32nm, 10W		
Chipset	NM10		
System Memory	2 x DDR3 SO-DIMM socket up to 4GB, FSB 1066 Mhz		
Graphic Memory	Intel GMA 3650 (Gfx frequency up to 640MHz), DX9		
LCD/Touch Panel			
Model Name	TEOSTOUCH 1554E	TEOSTOUCH 1754E / 1754IR	TEOSTOUCH 1954E / 1954IR
LCD Size	15" TFT LCD	17" TFT LCD	19" TFT LCD
Brightness	300nits	250nits	350nits
Maximal Resolution	1024 x 768	1280 x 1024	
Touch Screen Type	Resistive touch / IR touch		
Storage			
HDD	2.5" Slim HDD bay, SATA HDD		
Expansion			
mini PCI-E slot	1, support 802.11 b/g/n WLAN card		
External I/ O Ports			
USB 2.0	4 x USB Type A		
Serial / COM	4 (RJ45 type, COM1/COM2 standard COM, COM3 with +5V, COM4 with +12V power selection)		
LAN (10 / 100/1000)	2 x RJ-45		
DC Jack	1		
Audio Jack	1 x Mic-in, 1 x Line-out		
2nd VGA	1 x DB 15F		
PS/2	1 (Keyboard)		
Thermal Solution			
Thermal Solution	Fanless		
Audio			
Speaker	2 x 3W Speakers		
Power			
Power Adapter	DC 19V / 65W		DC 19V / 90W
Wide Range Power	8V ~36V		

Control			
Power Button	1		
Environment			
EMC & Safety	FCC Class A, CE, LVD		
Operating Temperature	0 °C ~ 35 °C (32 °F ~ 95 °F)		
Storage temperature	-20 ° ~ 55 °C (-4 °F ~ 140 °F)		
Humidity	20% - 85% RH non-condensing		
Dust & Water Proof	NEMA 4 / IP 65 (front)		
Dimension (W x D x H)	386 x 308 x 60 mm 15.2"x 12.1"x 2.4"	411 x 345 x 60 mm 16.2" x 13.6" x 2.4"	449 x 374 x 60 mm 17.7" x 14.7" x 2.4"
Weight (N.W. / G.W.)	5.8 kgs / 12.8 lbs	7.6 kgs / 16.7 lbs	9 kgs / 19.8 lbs
Mounting	100mm x 100mm Standard VESA / Panel Mount		
OS Support	Windows XP Pro, Linux, POS Ready 2009, Windows 7 (32 bit)		

6. Configuration

6-1. C54 Motherboard Layout



6-2. Connectors & Functions

Connector	Function
CN1	SATA Power
CN2	SATA Power
CN3	Inverter
CN5	COM5 For Touch
CN6	SATA LED
CN7	LVDS
CN9	USB
CN10	USB
CN11	USB
CN12	DVI
CN13	Touch
CN15	Power LED
CN18	Adapter Connector
CN19	Speaker & MIC
CN20	Power On Button
CN21	Audio Jack
CN22	Line Out
COM1_1	COM1~4
RJ45_1	LAN
RJ45_2	LAN
JP1	Inverter Selection
JP2	LCD ID Setting

6-3. Jumper Setting

Inverter Selection

Function	JP1
CCFL	<div>1 3</div> <div>2 4</div>
LED	<div>1 3</div> <div>2 4</div>

15" and 19": LED / 17": CCFL

LCD ID Setting

Panel#	Resolution	LVDS		Output Interface	JP2
		Bits	Channel		
7	1024 x 768	24	Single	LVDS Panel	<div>1 3 5 7 9</div> <div>2 4 6 8 10</div>
9	1280 x 1024	24	Dual	LVDS Panel	<div>1 3 5 7 9</div> <div>2 4 6 8 10</div>

1

 Jumper open

1

 Jumper short

2

Appendix: Drivers Installation

To download the most recent drivers and utilities, and obtain advice regarding the installation of your equipment, please visit the AURES Technical Support Website:

www.ares-support.fr (French)

www.ares-support.fr/UK (English)

www.ares-support.fr/GE (German)